

**NOTICE OF PROPOSED WATER POLLUTION CONTROL PERMIT  
FOR SAND ISLAND WASTEWATER TREATMENT PLANT  
NPDES PERMIT NO. HI 0020117**

**DOCKET NO. HI 0020117**

**August 20, 2014**

The Department of Health (DOH) tentatively proposes to reissue a National Pollutant Discharge Elimination System (NPDES) to discharge primary treated wastewater to Mamala Bay, Pacific Ocean, subject to special conditions to:

**City and County of Honolulu  
Department of Environmental Services  
1000 Uluohia Street, Suite 308  
Kapolei, Hawaii 96707**

The proposed draft permit for the existing discharge will expire five (5) years from the permit issuance date.

The City and County of Honolulu (Permittee) owns and operates the Sand Island Wastewater Treatment Plant (facility), located in Honolulu, island of Oahu, Hawaii. The facility has a design capacity of 90 MGD and provides primary treatment of wastewater for approximately 405,000 people in the Sand Island Basin. Influent wastewater enters the facility and is distributed to a minimum of two (2) of six (6) available aerated screening channels, where screening and flow measurement using Parshall flumes occur. From there, wastewater is directed to the clarifier influent channels for primary treatment. The influent channels distribute wastewater to eight (8) 150-foot diameter primary clarifiers. At normal flow, four (4) clarifiers are in use. Primary treated wastewater is then piped to effluent screens and then to disinfection. The facility contains five (5) available dual bank high pressure ultraviolet (UV) disinfection channels. After disinfection, treated effluent is discharged to Mamala Bay, Pacific Ocean, through Outfall Serial No. 001, at Latitude 21°17'01"N and Longitude 157°54'24"W.

Outfall Serial No. 001 is an 84-inch diameter deep ocean outfall that discharges treated effluent through a diffuser that starts approximately 9,100 feet offshore and 230 feet below the surface of the water. The diffuser is approximately 3,400 feet long with 282 side ports that range in size from 3 inches to 3.53 inches in diameter and two (2) 7-inch diameter ports in the end gate.

Sludge processing at the facility consists of gravity thickeners, wet sludge storage tanks, and a digester. Biosolids are processed onsite by an independent contractor.

The Mamala Bay, Pacific Ocean, is designated as "Class A Wet Open Coastal Waters" under Section 11-54-06(b)(2)(B), Hawaii Administrative Rules (HAR). Protected beneficial uses of Class A waters include recreation, aesthetic enjoyment, and the protection and propagation of fish, shellfish, and wildlife.

Persons wishing to comment upon or object to the proposed NPDES permit or to request a public hearing, should submit their comments or requests in writing no later than 30 calendar days after the date of this notice, either in person or by mail, to:

Clean Water Branch  
Environmental Management Division  
Department of Health  
919 Ala Moana Boulevard, Room 301  
Honolulu, HI 96814-4920

Copies of the proposed public notice permit and other information are available for public inspection, Monday through Friday (excluding holidays) from 7:45 a.m. until 4:15 p.m., at the DOH office address shown. Copies may be bought. The public notice permit and fact sheet are also available on the internet at:

<http://health.hawaii.gov/cwb/pubntcs/index.html>. For more information or if you have special needs due to disability that will aid you in inspecting and/or commenting on the public notice permit and related information, please contact Mr. Darryl C. Lum, Supervisor of the Engineering Section, Clean Water Branch, at the above address or (808) 586-4309 (Voice) at least seven (7) calendar days before the comment deadline. For those who use a TTY/TDD, please call through Sprint Relay Hawaii, at 1-711 or 1-877-447-5991.

All comments and requests received on time will be considered. If DOH determines that there is significant public interest, a public hearing may be held after at least 30 calendar days of public notice.

If DOH's position is substantially unchanged after considering all timely written comments and all oral comments at any public hearing that may be held, then the DOH will issue the NPDES permit and this action will be final.

Please notify anyone you know who would be interested in this matter.

LINDA ROSEN, M.D., M.P.H.  
Director of Health